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ABSTRACT

A cement composition for use in acidic environment
containing liquid alkali silicate, vitreous silicate
setting agent, lime containing material and inert
5 filler and building materials made therefrom as well
as the method of making such building materials.
The liquid alkali silicate may include sodium
silicate or potassium silicate. The vitreous
silicate setting agent may include soda-lime glass
10 powder or coal fly ash. The lime containing
material refers to the materials containing more
than 20% lime and may include quicklime, hydrated
lime, Portland cement, blast furnace slag or steel
slag. The inert fillers include ground quartz,
15 ground ceramic, and/or clay.

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